AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

- 1. (original) Process for the preparation of a hydrocarbylated metal organic compound, comprising a hydrocarbyl group, a spectator ligand and optionally a ligand, by contacting a metal-organic reagent with a spectator ligand in the presence of at least 2 equivalents, with respect to the metal-organic reagent, of a hydrocarbylating agent.
- 2. (original) Process according to claim 1, wherein the hydrocarbylating agent comprises a metal or a metalloid chosen from group 1, 2, 11, 12, 13 or 14 is a metal or metalloid comprising agent.
- 3. (original) Process according to claim 2, wherein the hydrocarbylating agent comprises Li, Mg, Zn, or Al.
- 4. (currently amended) A process according to claim 1-3 claim 1, wherein the spectator ligand is an imine ligand, or the HA adduct thereof, wherein HA represents an acid, of which H represents its proton and A its conjugate base.
- 5. (original) A process according to claim 4, wherein the metal of the metalorganic reagent is a group 3-11 metal.
- 6. (currently amended) A process according to elaim 1-3 claim 1, wherein the spectator ligand is represented by $(HA_1)_q$ (-Z-)_n $(A_2H)_r$, wherein A_1 and A_2 are monoacidic cyclopentadienyl comprising ligands, with q and r representing an integer denoting the number of Cp ligands with q+r = 1 or 2, optionally linked by n bridging groups Z, A_1 , A_2 seperately, or bonded via Z together forming a bidentate diacidic spectator ligand and n being an integer denoting the number of parallel bridging groups Z.
- 7. (currently amended) A process according to claim 1-3 claim 1, wherein the ligand is a ligand according to the formula HCp*-Z-Y(H)_b, in which Cp* is a delocalized η^5 bonding cyclopentadienyl comprising ligand, Z is a moiety comprising boron, or a

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member of Group 14, and also sulfur or oxygen, said moiety having up to 20 non-hydrogen atoms, and optionally Cp* and Z together form a fused ring system and b=0 or 1.

- 8. (currently amended) A process according to claim 6 or 7, wherein the metal is a group 4, or 5 metal or metalloid, or a metal selected from the lanthanide series.
- 9. (currently amended) A process according to claims 1 to 3 claim 1, wherein the ligand, represented by $(Ar-Z-)_sY(-Z-R'_n)_q$, with, Y representing an anionic moiety, Z an optional bridging group between the Y moiety and the DR'_n and/or Ar group, D an electron-donating hetero atom chosen from group 15 or 16, R' an optional substituent, Ar an electron-donating aryl group, n the number of R' groups bonded to D, q and s integers with $q + s \ge 1$.
- 10. (original) A process according to claim 9, wherein the metal is a group 4 metal with a valency of 3.
- 11. (currently amended) A process according to elaim 1-3 claim 1, wherein the ligand is represented by

$$R-D-(Z-D)_nR$$

wherein Z is a bridging group, between two donor atom containing groups (D), D an electron-donating group comprising a hetero atom chosen from group 15 or 16, and R is a substituent.

- 12. (original) A process according to claim 11, wherein the metal is a metal from group 7-11.
- 13. (original) Hydrocarbylated metal organic compound according to formula10,

(formula 10)

containing a spectator ligand S equal to $(Ar-Z-)_sY$ $(-Z-DR'_n)_q$, with, R an optional bridging group between the Y moiety and the DR'_n and/or Ar group, D an electron-donating hetero atom chosen from group 15 or 16, R' an optional substituent, Ar an electron-donating aryl group, n the number of R' groups bonded to D, q and s integers with $q + s \ge 1$, X' is an hydocarbyl radical bonded to the group 4-6 metal M with a reduced oxidation state p, L a neutral Lewis basic ligand bonded to M, j representing an integer denoting the number of ligands L, characterized in that Y is an imine group.

- 14. (original) Hydrocarbylated metal organic compound according to claim 13 wherein the imine is a ketimide, phosphinimide, guanidine, or iminoimidazoline.
- 15. (original) Hydrocarbylated metal organic compound according to claim 14, comprising a group 4-6 metal M in the reduced oxidation state, further comprising a spectator ligand having an imine group wherein Y, R and D are part of an aromatic ring system, optionally containing sp³, sp² or sp hybridized atoms or combinations thereof.
- 16. (currently amended) Hydrocarbylated metal organic compound according to claim 13-15 claim 13, wherein the electron donating hetero atom containing group DR'_n is a ketimide, phosphinimide, quanidine, or iminoimidazoline.
- 17. (original) Hydrocarbylated metal organic compound according to formula 10, containing a spectator ligand S equal to $(Ar-Z-)_sY(-Z-DR'_n)_q$, wherein Y represents an anionic moiety of S bonded to M of the metal-organic compound, Z an optional bridging group between the Y moiety and the DR'_n and/or Ar group, D an electrondonating hetero atom chosen from group 15 or 16, R' an optional substituent, Ar an electron-donating aryl group, n the number of R' groups bonded to D, q and s integers with $q + s \ge 1$, X' is an hydocarbyl radical bonded to M with valency p, L a neutral ligand bonded to M, j representing an integer denoting the number of ligands L, characterized

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in that the electron donating hetero atom containing group DR'_n is a ketimide, phosphinimide, guanidine, or an iminoimidazoline.

- 18. (currently amended) Process for the preparation of a polyolefin in the presence of an activator, characterized in that the process is carried out in the presence of a metal-organic compound according to any of the claims 13 to 17 claim 13.
- 19. (original) Process according to claim 19, wherein the activator is a borane or a borate.